

AMENDMENTS TO THE CLAIMS:

1. (Canceled)
2. (Currently amended) A shift actuator for a transmission, ~~according to claim 1~~
comprising:
 a first electromagnetic solenoid for operating a shifting mechanism of the
 transmission to a first shifted position;
 a second electromagnetic solenoid for operating the shifting mechanism to a second
 shifted position;
 a neutral operation member mounted on the shifting mechanism for bringing the
 shifting mechanism to a neutral position lying between the first shifted position and the
 second shifted position;
 a neutral limitation member movable between a first position, in which said neutral
 operation member is permitted to be operated to the first shifted position and to the second
 shifted position, and a second position, in which said neutral operation member is brought to
 the neutral position; and
 an electromagnetic solenoid for neutral, which brings said neutral limitation member
 to the second position,
 wherein said neutral limitation member has two operation surfaces formed in a V-
 shape so as to act on said neutral operation member, and, when brought to ~~said~~the second
 position, brings said neutral operation member to ~~said~~the neutral position and limits its
 operation.

3. (Currently amended) A shift actuator for a transmission, ~~according to claim 1,~~
wherein: comprising:

a first electromagnetic solenoid for operating a shifting mechanism of the
transmission to a first shifted position;

a second electromagnetic solenoid for operating the shifting mechanism to a second
shifted position;

a neutral operation member mounted on the shifting mechanism for bringing the
shifting mechanism to a neutral position lying between the first shifted position and the
second shifted position;

a neutral limitation member movable between a first position, in which said neutral
operation member is permitted to be operated to the first shifted position and to the second
shifted position, and a second position, in which said neutral operation member is brought to
the neutral position; and

an electromagnetic solenoid for neutral, which brings said neutral limitation member
to the second position, wherein:

 said neutral operation member comprises a cam ~~that is~~ mounted on a shifting shaft
 constituting ~~said~~ of the shifting mechanism, and ~~has~~ said cam ~~having~~ having a cam surface on the
 outer periphery thereof; and

 said neutral limitation member has a hole with cam operation surfaces that surround
 said cam and act on said cam surface and, when said neutral limitation member is brought to
said the second position, brings ~~said~~ cam operation surfaces bringing said cam to ~~said the~~

neutral position and ~~limits~~ limit its operation.

4. (Currently amended) A shift actuator for a transmission, ~~according to claim 1,~~
wherein: comprising:

a first electromagnetic solenoid for operating a shifting mechanism of the
transmission to a first shifted position;

a second electromagnetic solenoid for operating the shifting mechanism to a second
shifted position;

a neutral operation member mounted on the shifting mechanism for bringing the
shifting mechanism to a neutral position lying between the first shifted position and the
second shifted position;

a neutral limitation member movable between a first position, in which said neutral
operation member is permitted to be operated to the first shifted position and to the second
shifted position, and a second position, in which said neutral operation member is brought to
the neutral position; and

an electromagnetic solenoid for neutral, which brings said neutral limitation member
to the second position, wherein:

 said neutral operation member comprises a roller support member that is mounted on
 a shifting shaft ~~constituting~~ said of the shifting mechanism and protrudes protruding in the
 radial direction of the shifting shaft, and a roller ~~that~~ is supported at an end of said roller
 support member and ~~can rotate~~ rotatable on ~~the~~ an axis in parallel with the shifting shaft; and
 said neutral limitation member has a hole with roller operation surfaces that surround

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said roller support member and said roller, ~~and act~~ said roller operation surfaces acting on said roller and, when said neutral limitation member is brought to said second position, brings bringing said roller to said the neutral position and limits limit its operation.

5. (Currently amended) A shift actuator for a transmission according to claim 4, ~~wherein provision is made of~~ further comprising a guide portion for guiding the movement of said neutral limitation member between said the first shifted position and said the second shifted position.

6. (Currently amended) A shift actuator for a transmission according to claim 5, ~~wherein further comprising~~ a slide bush made of a material having a small coefficient of friction, is said slide bush being fitted to said guide portion.